ORTEC

ASPEC-927 dual MCB

Dual NIM multichannel buffer

Dual multichannel buffer with two independent ADC inputs in a NIM module for spectrum analysis.



Spectrum channels
512–16,384 per ADC, software selectable [1]

Weight
.9 kg net [1]

Specifications

PERFORMANCE

Dead time per event	2 µs including memory transfer	[1]
Dead-time correction	Gedcke-Hale or ZDT, software selectable	[1]

ELECTRONICS & SIGNAL

Detector inputs	2 independent ADC inputs	[1]
Spectrum channels	512–16,384 per ADC, software selectable	[1]
ADC conversion time	1.25 µs	[1]
Input signal	Positive analogue pulses 0 to +10 V	[1]
Gate input	TTL; coincidence, anti-coincidence or off	[1]

CONNECTIVITY & INTERFACE

Communication	USB 2.0, up to 480 Mbit/s	[1]

POWER & BATTERY

Power supply	+6 V/250 mA; +12 V/165 mA; −12 V/165 mA	[1]

MECHANICAL

Weight	0.9 kg net	[1]

ORDERING & ACCESSORIES

Included software	MAESTRO	[1]

GENERAL

Module format	Single-width NIM	[1]
Module width	Single width (NIM standard), front panel 3.43 × 22.13 cm	[2]

Sources

[1] **ASPEC-927 Dual Input MCB**
ORTEC (AMETEK) · product-page · Introduction; Specifications tab – Performance; Specifications tab – Inputs · checked 2026-10-16
https://web.archive.org/web/20261016000000/https://www.ortec-online.com/products/electronic-instruments/mult…

[2] **ORTEC ASPEC-927 manual**
RTEC (AMETEK) · manual · Manual, Specifications – Dimensions · checked 2026-10-16
https://edge.sitecorecloud.io/ametekinc1236b-ametekb19a-productiondcfa-1d17/media/Project/Ametek/ortec-onlin…

Every value is taken from the manufacturer's own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer's published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.